

PTO/SB/21 (09-06)

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/033,571-Conf. #9714
	Filing Date	December 27, 2001
	First Named Inventor	Shuyuan Zhang
	Art Unit	1648
	Examiner Name	M. Mosher
Total Number of Pages in This Submission	Attorney Docket Number	29853/37702

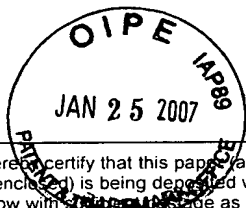
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input checked="" type="checkbox"/> CD, Number of CD(s) <u>1</u> <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MARSHALL, GERSTEIN & BORUN LLP		
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(Jeffrey S. Sharp)

Docket No.: 29853/37702  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Shuyuan Zhang et al.

Application No.: 10/033,571

Confirmation No.: 9714

Filed: December 27, 2001

Art Unit: 1648

For: AN IMPROVED METHOD FOR THE  
PRODUCTION AND PURIFICATION OF  
ADENOVIRAL VECTORS

Examiner: M. Mosher

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date, OR more than three months after the date of entry of the national stage of a PCT application, AND after the mailing date of the first Office Action on the merits, whichever occurs first, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

In accordance with 37 CFR 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith electronic copies of foreign patents and non-patent literature in accordance with 37 CFR 1.98(a)(2).

01/26/2007 SLUANG1 00000005 10033571

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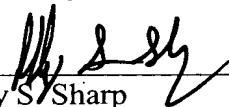
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

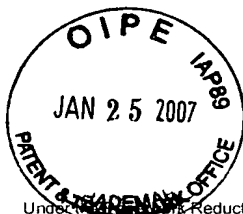
Our check in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p) is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 29853/37702.

Dated: January 23, 2007

Respectfully submitted,

By   
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/033,571-Conf. #9714
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				Art Unit	1648
				Examiner Name	M. Mosher
				Attorney Docket Number	29853/37702
Sheet	1	of	7		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-2002/0018723-A1	02-14-2002	Mera et al.	
	A2	US-2002/0045160-A1	04-18-2002	Carrion et al.	
	A3	US-4,797,368	01-10-1989	Carter et al.	
	A4	US-5,106,841	04-21-1992	Scheer	
	A5	US-5,139,941	08-18-1992	Muzyczka et al.	
	A6	US-5,552,309	09-03-1996	March	
	A7	US-5,670,488	09-23-1997	Gregory et al.	
	A8	US-5,733,720	03-31-1998	Olivo	
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	A13	US-6,143,290	11-07-2000	Zhang et al.	
	A14	US-6,143,548	11-07-2000	O'Riordan, et al.	
	A15	US-6,168,944	01-02-2001	Condon et al.	
	A16	US-6,194,191	02-27-2001	Zhang et al.	
	A17	US-6,194,210	02-27-2001	Leu et al.	
	A18	US-6,261,823	07-17-2001	Tang et al.	
	A19	US-6,316,185	11-13-2001	Saifer, et al.	
	A20	US-6,383,795	05-07-2002	Carrion et al.	
	A21	US-6,447,995	09-10-2002	Carrion et al.	
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	A23	US-6,689,600	02-10-2004	Wu et al.	
	A24	US-6,726,904-A1	04-27-2004	Krauss et al.	
	A25	US-60/026,667	09-25-1996	Guillaume et al.	
	A26	US-60/082,628	04-22-1998	Carrion et al.	
	A27	US-7,125,706-A1	10-24-2006	Zhang et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	JP-1279843	11-10-1989	Moritsugu Yasuo		
	B2	EP-0273085	07-06-1988	Battelle Memorial Institute		
	B3	WO-93/18790	09-30-1993	Csatary Laszlo		
	B4	WO-95/10601	04-20-1995	Viagene, Inc.		
	B5	WO-95/19427	07-20-1995	Genetic Therapy, Inc.		
	B6	WO-96/32116	10-17-1996	Inhale Therapeutic Systems		
	B7	WO-98/22588	05-28-1998	Introgen Therapeutics, Inc.		
	B8	WO-98/26048	06-18-1998	Schering Corp.		
	B9	WO-98/35554	08-20-1998	Canji, Inc.		
	B10	WO-99/12568	03-18-1999	Merch & Co., Inc.		
	B11	WO-99/41416	08-19-1999	Schering Corp.		
	B12	WO-99/43843	09-02-1999	Univ. Johns Hopkins Med.		

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				Art Unit	1648
				Examiner Name	M. Mosher
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	B13	WO-99/54441	10-28-1999	Genvec, Inc.		
	B14	WO-00/32754	06-08-2000	Introgen Therapeutics, Inc.		
	B15	WO-00/34444	06-15-2000	Genvec, Inc.		
	B16	WO-00/40702	07-13-2000	Genvec, Inc.		
	B17	WO-02/29388	04-11-2002	Genvec, Inc.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
	C1	Arap et al., "Replacement of the <i>p16/CDKN2</i> gene suppresses human glioma cell growth," <i>Cancer Res.</i> , 55:1351-1354, 1995.		
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				Art Unit	1648
				Examiner Name	M. Mosher
Sheet	3	of	7	Attorney Docket Number	29853/37702

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Sheet	4	of	7		

		cotransfection of suspension cell cultures," <i>Mol. Cell Biol.</i> , 5:1188-1190, 1985.	
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	C60	Kotani et al., "Improved methods of retroviral vector transduction and production for gene therapy," <i>Human Gene Therapy</i> , 5:19-28, 1994.	
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	C63	Lin and Guidotti, "Cloning and expression of a cDNA coding for a rat liver plasma membrane	

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		ecto-ATpase," <i>J. Biol. Chem.</i> , 264:14408-14414, 1989.	
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C66		Marienfeld et al., "Autoreplication of the vector genome in recombinant adenoviral vectors with different E1 region deletions and transgenes," <i>Gene Ther.</i> , 6:1101-1113, 1999.	
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				First Named Inventor	Shuyuan Zhang
				Art Unit	1648
				Examiner Name	M. Mosher
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	C112	Wu and Wu, "Liver-directed gene delivery," <i>Adv. Drug Delivery Rev.</i> , 12:159-167, 1993.	
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